

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/763,824B
Source: IFW16
Date Processed by STIC: 02/28/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 02/28/2006

PATENT APPLICATION: US/09/763,824B

TIME: 10:43:02

Input Set : A:\seq list.txt

Output Set: N:\CRF4\02282006\I763824B.raw

Cp9-6)

```

3 <110> APPLICANT: SQUIRRELL, DAVID J.
4     MURPHY, MELANIE J.
5     PRICE, RACHEL L.
6     LOWE, CHRISTOPHER R.
7     WHITE, PETER J.
8     TISI, LAURENCE C.
9     MURRAY, JAMES A.H.
10
11 <120> TITLE OF INVENTION: NOVEL ENZYME
12
13 <130> FILE REFERENCE: 1498-119
14
15 <140> CURRENT APPLICATION NUMBER: 09/763,824B
C--> 16 <141> CURRENT FILING DATE: 2001-02-27
17
18 <150> PRIOR APPLICATION NUMBER: PCT/GB99/03538
19 <151> PRIOR FILING DATE: 1999-10-26
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21 <150> PRIOR APPLICATION NUMBER: GB 9823468.5
22 <151> PRIOR FILING DATE: 1998-10-28
23
24 <160> NUMBER OF SEQ ID NOS: 37
25
26 <170> SOFTWARE: PatentIn Ver. 2.1
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28 <210> SEQ ID NO: 1
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32 <213> ORGANISM: Artificial Sequence
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35 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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38 cgccggtgag ctccccgccg ccg 23
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40 <210> SEQ ID NO: 2
41 <211> LENGTH: 23
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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49 cggcggcggg gagctcacccg gcg 23
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51 <210> SEQ ID NO: 3
52 <211> LENGTH: 51
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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58 <400> SEQUENCE: 3
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60 cgaacacttc ttcatcggtg accgccttaa gtctttaatt aaatacaaag g 51
61
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 51

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67 <212> TYPE: DNA
68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
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85 <400> SEQUENCE: 5
86 gaaaggcccg gcaccagcct atcctctaga gg          32
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 32
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
97 <400> SEQUENCE: 6
98 cctctagcgg ataggctggt gccgggcctt tc          32
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102 <211> LENGTH: 36
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
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109 <400> SEQUENCE: 7
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113 <210> SEQ ID NO: 8
114 <211> LENGTH: 18
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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122 gtgtggaatt gtgagcgg          18
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127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
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131 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
133 <400> SEQUENCE: 9
134 gagatacgcc gcggttcctg g          21
137 <210> SEQ ID NO: 10
138 <211> LENGTH: 21
139 <212> TYPE: DNA

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143 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
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163 <212> TYPE: DNA
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173 <210> SEQ ID NO: 13
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175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
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187 <212> TYPE: DNA
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198 <211> LENGTH: 30
199 <212> TYPE: DNA
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203 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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210 <211> LENGTH: 22
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence

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214 <220> FEATURE:
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223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
229 <400> SEQUENCE: 17
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233 <210> SEQ ID NO: 18
234 <211> LENGTH: 22
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
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241 <400> SEQUENCE: 18
242 ggctacatac tggagacata gc                                22
245 <210> SEQ ID NO: 19
246 <211> LENGTH: 22
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
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253 <400> SEQUENCE: 19
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257 <210> SEQ ID NO: 20
258 <211> LENGTH: 21
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
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265 <400> SEQUENCE: 20
266 gcagttgcgc ccgtgaacga c                                21
269 <210> SEQ ID NO: 21
270 <211> LENGTH: 21
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
277 <400> SEQUENCE: 21
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281 <210> SEQ ID NO: 22
282 <211> LENGTH: 29
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:

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Input Set : A:\seq list.txt

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288 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
290 <400> SEQUENCE: 22
291 caaatcattc cgggtactgc gattttaag 29
294 <210> SEQ ID NO: 23
295 <211> LENGTH: 29
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
301 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
303 <400> SEQUENCE: 23
304 cttaaaatcg cagtacccgg aatgatttg 29
307 <210> SEQ ID NO: 24
308 <211> LENGTH: 27
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
315 <400> SEQUENCE: 24
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320 <211> LENGTH: 27
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
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327 <400> SEQUENCE: 25
328 gaatctgacg cagagagttc tatgcgc 27
331 <210> SEQ ID NO: 26
332 <211> LENGTH: 22
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
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337 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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340 ctgattacac ccaaggggga tg 22
343 <210> SEQ ID NO: 27
344 <211> LENGTH: 22
345 <212> TYPE: DNA
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:
349 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
351 <400> SEQUENCE: 27
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355 <210> SEQ ID NO: 28
356 <211> LENGTH: 29
357 <212> TYPE: DNA
358 <213> ORGANISM: Artificial Sequence
360 <220> FEATURE:
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/28/2006
PATENT APPLICATION: US/09/763,824B TIME: 10:43:03

Input Set : A:\seq list.txt
Output Set: N:\CRF4\02282006\I763824B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:28; N Pos. 15,16,17

Seq#:29; N Pos. 13,14,15

VERIFICATION SUMMARY

DATE: 02/28/2006

PATENT APPLICATION: US/09/763,824B

TIME: 10:43:03

Input Set : A:\seq list.txt

Output Set: N:\CRF4\02282006\I763824B.raw

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0

L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0